

33664

S/058/61/000/012/019/083

A058/A101

215210

AUTHORS: Isakov, A.I., Popov, Yu.P., Shapiro, F.L.

TITLE: Measurements of the energy dependence of radiative neutron capture in the energy range up to 30 Kev

PERIODICAL: Referativnyy zhurnal. Fizika, no. 12, 1961, 105, abstract 12B528 (Tr. Tashkentsk. konferentsii po mirn. ispol'zovaniyu atomn. energii, 1959, v. 1, Tashkent, AN UzSSR, 1961, 64 - 72)

TEXT: The energy dependence of the cross section of radiative neutron capture in Cl, Fe, Ag and Au was measured in a spectrometer on the basis of the slowing-down time of the neutrons in lead (RZhFiz, 1961, 1B497), and preliminary results were obtained for Rh, Cu and Ni.

[Abstracter's note: Complete translation]

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S/056/61/041/004/003/019
B108/B102

26.7242

AUTHOR: Isakov, A. I.

TITLE: Unsteady elastic slowing down of neutrons in graphite and iron

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 41, no. 4(10), 1961, 1037-1039

TEXT: In earlier works (A. A. Bergman et al., ZhETF, 33, 9, 1957) the author together with others had studied the unsteady slowing down of neutrons in lead. The mean slowing down time measured was found to fit theory well, but the dispersion of the true slowing down time was 50% greater. In order to elucidate this difference and to verify the theory, the author applied the same methods as used in previous works, to graphite and iron. The specimens were small gold cylinders with an effective thickness of 0.4 mm and a resonance at $E_0 = 4.906$ ev. A pulsed beam of neutrons slowed down by either graphite or iron was directed upon the gold specimen. The intensity of gamma radiation due to neutron capture in the

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Unsteady elastic slowing down of ...

gold was measured with a proportional counter. The gamma counts $I_{\gamma}(t)$ were normalized to the count rate of a lithium counter $I_{Li}(t)$. The results

shown in Figs. 1 and 2 agree with theoretical calculations. The discrepancy in the case of lead is due to light impurity nuclei for which the spectrum of the slowed-down neutrons is not Gaussian. The mean neutron lifetime in iron is $21.30 \pm 0.30 \mu\text{sec}$, when correction is made for the impurities. During a time of 10 to 150 μsec , the neutron density decreases exponentially. The capture cross section for 0.0253-eV neutrons in iron was found to be $\sigma_c = 2.57 \pm 0.04$ barns. This value is in

accordance with the latest publications. F. L. Shapiro is thanked for help. Mention is made of Z. Dlouhy (Atomn. energ., 2, 182, 1960) and M. V. Kazarnovskiy (Thesis, FIAN, 1955; Tr. FIAN, 11, str. 176). There are 3 figures and 6 references: 4 Soviet and 1 non-Soviet.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR
(Physics Institute imeni P. N. Lebedev of the Academy of
Sciences USSR)

Card 2/X
3

ACCESSION NR: AT4041823

S/2504/64/024/000/0068/0110

AUTHOR: Isakov, A. I.

TITLE: Experimental investigation of unsteady-state moderation of neutrons in heavy media

SOURCE: AN SSSR. Fizicheskii institut. Trudy*, v. 24, 1964. Issledovaniya po neytronnoy fizike (Research in neutron physics), 68-110

TOPIC TAGS: unsteady state moderation, neutron spectrometry, neutron, elastic moderation, mean life, capture cross section, neutron capture, thermalization

ABSTRACT: This investigation was carried out in connection with the development of the method for neutron spectrometry based on a slowing-down time. A pulsed neutron source and a specimen with a narrow resonance in the 0.5 to 15×10^3 eV energy range were inserted into a prism made of the investigated substance. The measurements on the time-delay scale of the resonance locations and their widths and shapes were utilized to make a comparison with the theory and to verify the correctness of theoretical premises and conclusions. In

Card 1/2

1. ISAKOV, A. K.
2. USSR (600)
4. Mathematics - Study and Teaching
7. Individual approach to students. Mat v shkole No 6 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ISAKOV, A.K. (Moscow)

Method of individual control. Mat. v shkole no.5:58-60 S-0 '54.
(Mathematics--Study and teaching) (MLRA 7:11)

TURUSOVA, Z.M., assistant; ISAKOV, A.M., inshener; SUCHKOV, A.A.,
inshener-ekonomist.

Experience in organizing rhythmic work according to a daily
chart in a celluloid plant. Trudy LIMI no.9:5-19 '55.

(MLRA 9:9)

(Celluloid) (Efficiency, Industrial)

ISAKOV, B.

Bigger and better mining cities. Mast.ugl. 2 no.8:15-18 Ag '53.

(MIRA 6:8)

(Coal mines)

ISAKOV, B.

NIKOLOV, Ch.; BLIZNAKOV, Em.; ISAKOV, B.

Epidemic of benign leptospirosis in the Pirdop region. *Sovrem. med.*
Sofia 5 no.2:39-47 1954.

1. Iz Okoliiskata sanitarno-epidemiologichna stantsia gr.Pirdop
(gl. lekar: Em. Bliznakov) i Okoliiskata bolnitsa gr. Pirdon
(gl. lekar V.Valchev).
(LEPTOSPIROSIS, epidemiology,
*Bulgaria)

1.7000

29267
S/579/61/000/000/001/002
D221/D304

AUTHORS: Kuznetsov, Ye.A., Zolotnitskaya, K.N. and
Isakov, B.N.

TITLE: A system of digital program control for a horizontal boring mill, model 262NP 1 (262PR1)

SOURCE: Kucher, I.M., ed. Avtomatizatsiya metallorezhushchikh stankov, Moscow, Mashgiz, 1961, 7-40

TEXT: The programmed control adopted for the boring mill can be used for long displacement machine tools. The accurate read-off is ensured by a feedback which excludes the effect of clearances and elastic deformations produced in the kinematic chains. The feedback is based on signals due to reflected light variation produced by a precise scale. The coarse feedback is ensured by contact scale made in the form of Gray's code on punched cards. The Sverdlov factory designed a special perforator

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A system of digital . .

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which automatically converts data which is entered in the decimal code into modified binary code (Gray code). The displacements of working members of the boring mill are ensured by d.c. electric motors with a wide range of speed (ratio of 1:1800). This eliminates intermediate clutches and gears for realizing precise and fast motions. The change-over to another machining operation is achieved by replacing the punched cards, and the required positions of moving members are governed by fixed datum lines. The coarse setting which is used for longitudinal displacement of the table and boring spindle, is obtained with lead-screws as a standard of length and a mechanical multiplier. The programmed control covers the following: Vertical displacement of headstock, transversal motion of table, longitudinal travel of spindle and table. The first two are controlled by the precise feedback (system A), the remainder by the coarse system (B). The speed of longitudinal travel of spindle or table can be automatically changed during the passage of

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A system of digital ...

different sections. Special overhung holder allows the conversion of axial travel of the spindle into the radial displacement of tool. The program is recorded on four punched cards, according to GOST (GOST) 6198-52. Each moving member has its own card, where the following data are punched: Required position of member with an accuracy of 0.01 mm, millimeter units and their fractions are recorded separately; the sign of increment, or direction of motion; in millimeter units; ditto in millimeter fractions; sequence of displacements, and finally, speeds of spindle and table longitudinal travel. The punched hole corresponds to unity, whereas absence of the former signifies zero. The correctness of perforations is checked by stencils, or by a code rule. The authors illustrate the method as applied to travel of the headstock, where the actuation of read-out by the photo-electric cells is given. The code scale is rolled over two drums in the case of a contact arrangement for the displacement, and the axis of one of them is actuated by the displacement

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A system of digital ...

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of the moving member. A description is given of the read-out mechanism which is driven by a servo. The group of feedback comprises transducers for millimeter units and fractions, a reference bloc and an adjuster. The transducer of fractions (Fig. 6) is used for the automatic displacement of the photo-unit in relation to the screen of the optical device. The carriage 12, is actuated by servo, 6. It moves over the rule, 7, which is made of plastic with six metal rails that are provided with slots, and one plain rail. The rails are insulated. The pattern of metal protrusions corresponds to the Gray code. Each rail is touched by contacts of comb 3, held on the carriage (and insulated). The photo-transducer, 10, is also fixed on the carriage. The transducer of millimeter units has a similar design as the coarse drum read-out arrangement. The adjuster controls a potentiometer arrangement. The lead screw driven by its servo is connected to the millimeter units read-out by a rack and pinion. The reference bloc of comparison consists of two independent

Card 4/5

ISAKOV, D.

Lights of the Yenisey River. Sov.voin 38 no.17:16-17 S '56.

(MIRA 10:1.)

(Krasnoyarsk Hydroelectric Power Station)

YUGOSLAVIA

ISAKOV, D., Veterinary Institute (Veterinarski Zavod),
Subotica.

"The Comparative Value of Taomycin and Terramycin in the
Fattening of Young Hogs."

Belgrade, Veterinarski Glasnik, Vol 17, No 3, 1963, pp
239-245.

Abstract: /Author's English summary modified/ A study of
a new combination of the antibiotics terramycin and ola-
andomycin in the form of the taomycin preparation showed
that hogs fed with the latter had higher daily weight
gains than the control group and were more efficient in
feed consumption. However, the results were not statistic-
ally significant, and more studies involving larger num-
bers would be needed for more reliable conclusions. On
the other hand, perhaps not all imports of antibiotics
ought to be banned in all cases. Tables, 14 references to
recent works (mainly US).

L/1

ISAKOV, Dmitriy Ivanovich; USTYUGOV, P.G., red.; BEYSHENOV, A., tekhn.
red.

[I will fatten a thousand swine a year] Otkormlin tysiachu
svinei v god. Frunze, Kirgizskoe gos. izd-vo, 1960. 30 p.
(MIRA 15:3)

(Kirghizistan—Swine—Feeding and feeds)

11/1

GONTAR', N.V., kand; KARYUK, G.G., kand, tekhn. nauk; ISAKOV, E.I., inzh.;
LINENKO, Yu.P., inzh.; KUZ'MICH, V.F., tekhnik

Testing of hard alloy instruments for punching holes in reinforced
concrete structures. Energ. stroi. no.1:91-94 '65. (MIRA 18:7)

POIYAK, A.L., kand. tekhn. nauk; GRINCHENKO, V.N., inzh.; LEKOV, L.I., inzh.

Investigating the performance of bits for combination drilling
machinery designed by the All-Union Scientific Research Institute
for the Organization and Mechanization of Mine Construction. Trudy
VNIOMSHSa no.15:32-47 '64. (MIRA 18:2)

POLYAK, A. L., kand. tekhn. nauk; NIKOLAYENKO, A. T., inzh.; GRICHENKO, R. N., inzh.; BAKUL', V. N., kand. tekhn. nauk; ISAKOV, E. I., inzh.; STARKOV, V. I., inzh.

Efficient geometry and makes of hard alloys for the blades of cutter loaders with a planetary-cutting actuating member.
Ugol' Ukr. 6 no.10:20-22 0 '62. (MIRA 15:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva (for Polyak, Nikolayenko, Grichenko). 2. Ukrainskiy nauchno-issledovatel'skiy institut sinteticheskikh sverkhтвердых материалов i instrumentov (for Bakul', Isakov, Starkov).

(Coal mining machinery)

ISAKOV, F.N.

Intramedullary fixation in gunshot fractures of the femur;
experimental studies. Khirurgiia no.4:26-32 Ap '54. (MLRA 7:6)

1. Iz gosspital'noy khirurgicheskoy kliniki Voronezhskogo meditsina-
skogo instituta (dir. prof. V.P.Radushkevich)

(FRACTURES,

*hip, exper. gunshot fract., intramedullary nailing in dogs)

(HIP, fractures,

*exper. gunshot fract., intramedullary nailing in dogs)

ISAKOV, F. N., Cand Med Sci -- (diss) "Intraosseous Fixation
of Gunshot Fract^{ures} of the Diaphysis of the Hip with Metal~~lic~~
Nail. (Experimental Study)." Voronezh, 1956. 21 pp (Voronezh
State Med Inst), 100 copies (KL, 49-57. 115)

- 66 -

ISAKOV, F.S., inzh.

Determining the minimum cost of installing heating ducts of precast
reinforced concrete panels. Trudy GSI no.43:25-29 '63.
(MIRA 17:4)

ISAKOV, G., general-leytenant

It is the duty of the leader of an exercise... Voen. znan. 41
no.10:3-4 0 '65.

(MIRA 18:10)

ISAKOV, G.

Automatic protection of d.c. cables from leakage currents.

Besop.truda v prom. 4 no.1:33-34 Ja '60.

(MIRA 13:5)

(Electric cables--Safety measures)

ISAKOV, G., general-mayor

High organization for instruction. Voen. znan. 41 no.3:16-17 Mr '65.
(MIRA 18:5)

1. Nachal'nik Upravleniya boyevoy podgotovki grazhdanskoy oborony
SSSR.

ISAKOV, G., starshiy prepodavatel'; MITROFANOV, N., inzh.-pilot

If you get at the root.... Grazhd. av. 22 no.12:10 D '65.
(MIRA 18:12)

1. Vyssheye aviatsionnoye uchilishche Grazhdanskogo vozdushnogo
flota (for Isakov).

ISAKOV, G. A.

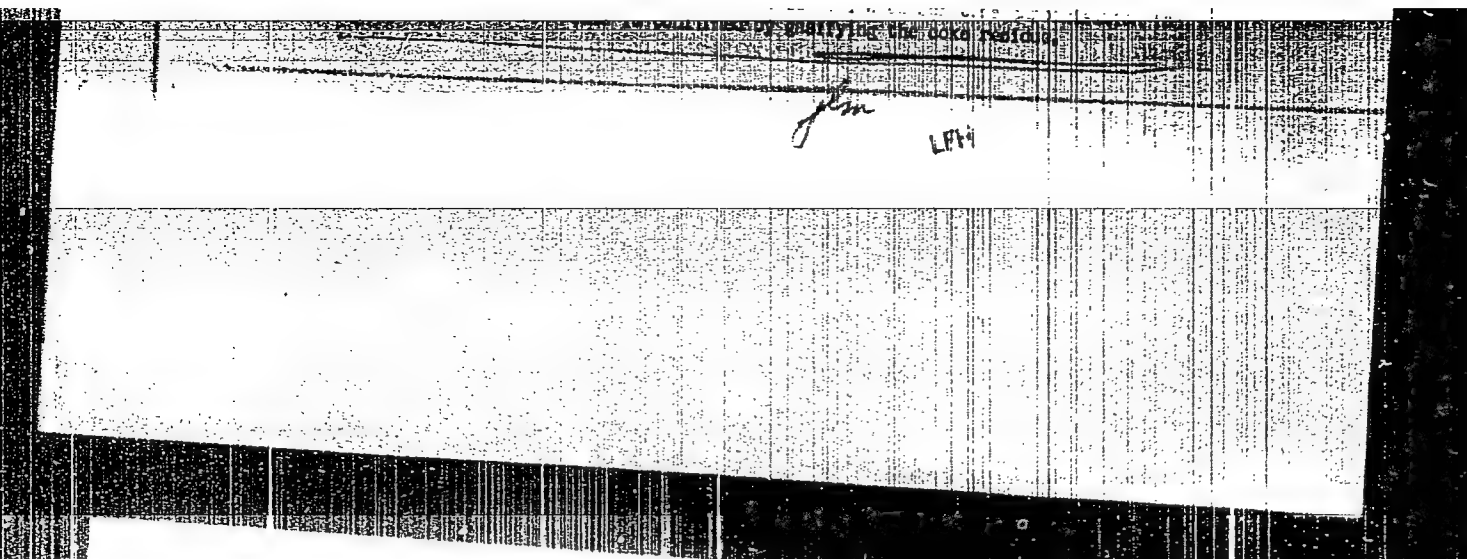
ISAKOV, G. A. — "On the Fusible Properties of Oil Shale of the Estonian Deposit." Min Higher Education USSR. Moscow Order of Lenin Chemical-technological Inst imeni D. I. Mendeleev. Moscow, 1955.
(Dissertation for the Degree of Candidate in Technical Sciences)

No 1

SO: Knizhnaya Letopis', 1956, pp 102-122, 124

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618810012-4



APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618810012-4"

4. Gasification of oil shales in a retort with horizontal flow of heating gases in the shaft of the retort. Ch. A. Isakov, N. P. Pyra, and L. M. Chernykh. Gennyye Prom. 1956, No. 12, 10-13. — Oil shales are gasified in an improved modification of the Rakhts-Yarve retort consisting of an upper vertical cylindrical retort in which the shale is devolatilized by the passage of horizontal jets of (100° to 500°) gases, entering from the annular spaces surrounding it, which originate in the gas generator below. The reticulated shale drops down and is used as the primary fuel. The spent residue from the generator carries about 7% of fuel values. The retort setting with ann. and sub-capacities of 100 and 50 tons/day produces a gas of 1000 kcal/cu. m.

Ch. A. Isakov.

LASTOVKIN, G.A.; SHEVKUNOV, N.D.; Prinsipali uchastiye: TRIPUKOV, N.M.;
TRIPUKOVA, V.D.; AGABABOV, G.Ye.; ISAKOV, G.A.; SEREBRYANNIKOV,
N.D.

Increasing the capacity of retort chambers by intensifying the
heating of the upper zone of retorts. Trudy VNIIPS no.7:165-173
'59.
(MIRA 12:9)

1. Sotrudniki Teploekhtstantsii Glavgaza SSSR (for Tripukov,
Tripukova). 2. Sotrudniki Slantsepererabatyvayushchego kombinata
(for Agababov, Isakov, Serebryannikov).
(Oil shales) (Gas retorts)

IVANOV, B.I.; SHARONOVA, N.F.; KOZAK, Yu.A.; ISAKOV, G.A.

Industrial experience of the section for the recovery of phenols
from tar water at the shale-processing combine in Kehtla-Järve.
Trudy VNIIPS no.7:247-260 '59. (MIRA 12:9)
(Kehtla-Järve--Oil shales) (Phenols)

ISAKOV, G.A., kand. tekhn. nauk; CHISTYAKOV, V.I.

Coking of block peat in chamber coke ovens. Trudy VNIITP
no.18:232-238 '61. (MIRA 17:1)

ISAKOV, G.P.

Ideological and political education of student at the Moscow Medical
School No.28 of the N.V. Sklifosovskii Institute. Zdrav.Ros.Fedr. 3
no.12:10-13 D '59.

(MIRA 13:4)

(COMMUNIST EDUCATION)

ISAKOV, Georgiy Pavlovich, general-mayor; IL'ICHEV, Aleksandr
Aleksseyevich, polkovnik; MAN'KOV, Viktor Ivanovich,
polkovnik; DUKACHEV, M.P., red.; MURASHOVA, L.A.,
tekhn. red.

[Tactical training of the rifle platoon and company]
Takticheskaya podgotovka strelkovogo vzvoda i roty.
Moskva, Voenizdat, 1963. 92 p. (MIRA 17:2)

ISAKOV, G. V.

USSR/Petroleum Industry
Oil Wells
Pumps

Jan 1948

"Automatic Operating Couplings," A. P. Krylov, G. V. Isakov, 7 pp

"Neft Khozyay" No 1

To avoid having falling plastic pressure affect the output of a well, it is necessary to decrease the face pressure correspondingly. Thus the depression remains more or less constant. This is brought about fairly easily in wells requiring deep pumping. Author explains the basic principles of new-type coupling for pumps which do not operate in deep wells. This new-type apparatus has given very satisfactory service even under conditions where foreign material was introduced into the bore.

PA 51T92

ISAKOV, I.E., inzh.

Preventing tower crane accidents. Bezop. truda v prom. 2
no.7:25 J1 '58. (MIRA 11:9)
(Cranes, derricks, etc.)

ISAKOV, I. F.

Morphological examination in Hirschsprung's disease in children.
Cesk. pediat. 17 no.3:211-212 Mr '62.

1. II moskevsky lekarsky ustav N. I. Pirogova, Moskva.

(MEGACOLON pathol)

ISAKOV, I. F.

Zheleznodorozhnyi transport SSSR vo vtoroi piatiletke. Railroad transportation of the
U.S.S.R. in the sefond five-year plan/. Leningrad, Lengostransizdat, 1932. 545p. illus.,
maps.

Contains data on construction of new electric railways lingas to be put into
operation during the years 1933-1937.

DLC: HE3135.I8

SO: Soviet Transportation and Communciations, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

ISAKOV, I.F., dots., kand.techn.nauk

Investigating subgrade resistance to lateral shifts in rail-
tie units. Trudy DIIT no.27:227-260 ' 58. (MIRA 12:1)
(Railroads--Track)

FRISHMAN, M.A., prof., doktor tekhn.nauk (Dnepropetrovsk); ISAKOV, I.F.,
kand.tekhn.nauk (Dnepropetrovsk); VOLOSHKO, Yu.D., kand.tekhn.nauk
(Dnepropetrovsk)

Characteristics of designing track on reinforced concrete ties.
Zhel.dor.transp. 40 no.10:55-57 0 '58. (MIRA 11:12)
(Railroads--Track) (Railroads--Ties, Concrete)

ISAKOV, I. F.

ISAKOW, I: WOLOSZDO, D: FRISZMAN, M

Track calculation for concrete ties prestressed with wire. Tr. from the Russian. p.53

PRZEGLAD KOLEJOWY DORGOWY (Wydawnictwa Komunikacyjne) Warszawa, Poland
Vol.11, no.3, Mar. 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no.7, July 1959

Uncl.

ISAKOV, I.F., kand.tekhn.nauk, dotsent

Technical and economic evaluation of the measures providing for
the stability of the rail-tie skeleton on curves. Trudy
DIIT no.30:134-143 '60. (MIRA 14:12)
(Railroads---Curves and turnouts)

ISAKOV, I.F., kand.tekhn.nauk, dotsent

Periodicity of the straightening of battered curves.

Trudy DIIT no.30:122-128 '60.

(MIRA 14:12)

(Railroads---Curves and turnouts)

FRISHMAN, M.A., doktor tekhn.nauk, prof.; ISAKOV, I.F., kand.tekhn.nauk,
dotsent; VOLOSHKO, Yu.D., kand.tekhn.nauk, dotsent; BONDARENKO,
Ye.P., kand.tekhn.nauk

Experimental study of the performance of tracks with reinforced
concrete ties. Trudy DIT no.30:5-24 '60. (MIRA 14:12)
(Railroads—Ties, Concrete)

SEMENCHENKO, F.Ya., Geroy Sotsialisticheskogo truda, starshiy dorozhnyy master; ISAKOV, I.F., kand. tekhn. nauk; KOBETS, N.G., starshiy dorozhnyy master; VOLOSHKO, Yu.D., kand. tekhn. nauk; CHERKASSKIY, M.M., inzh.; SHATERKOV, V.I., kand. tekhn. nauk; LIPOVSKIY, R.S., kand. tekhn. nauk; FRISHMAN, M.A., prof., red.; POTOTSKIY, G.I., inzh., red.; VOROB'YEVA, L.V., tekhn. red.

[Current maintenance and repair of tracks] Tekushchee soderzhanie i remont puti; opyt puteitsev Nizhnedneprovsk-Uzlovskoi distantсии Pridneprovskoi dorogi. Moskva, Transzheldorizdat, 1962. 55 p.

(Railroads--Maintenance and repair)

(MIRA 16:1)

ISAKOV, I.F., kand.tekhn.nauk

Transversal displacements of the rail-tie skeleton under the
action of vertical load and lateral forces. Vest.TSNII MPS
21 no.8:45-49 '62. (MIRA 16:1)

1. Dnepropetrovskiy institut inzhenerov shelesnodorozhnogo
transporta.

(Railroads--Track)

ISAKOV, I. I.; SIMENKO, L. F.; SOBOLEV, V. I.

Electrodiaphragmography; new clinical methods of examination
of the diaphragm in man. Ter. arkh., Moskva 23 no.4:54-57
July-Aug 1951. (GLML 21:1)

1. Docent Isakov; Docent Sobolev. 2. Of the Department of
Faculty Therapy (Head -- Prof. A. A. Nechayev) and of the
Department of Roentgenology (Head -- Prof. G. A. Zedgenidze),
Naval Medical Academy.

ISAKOV, I.I., dotsent.

Characteristics of electrocardiographic syndromes of premature excitation of ventricles and of the so-called dissociation with interference and two new types of disturbance of intracardiac conductivity in man. Klin.med. 31 no.3:65-71 Mr '53.

(MLRA 6:5)

(Electrocardiography)

254/106, 4-2
VOLYNSKIY, Z.M., professor; ISAKOV, I.I.; YAKOVLEV, S.I.; KEYZER, S.A.

Characteristics of arterial pressure in inhabitants of Leningrad
during the postwar years and normal blood pressure. Terap. arkh.
26 no.3:3-9 My-Je '54. (MLRA 7:9)

1. Iz Voenno-morskoy meditsinskoy akademii
(BLOOD PRESSURE, statistics,
Russia)

ISAKOV, I. I., Doc Med Sci -- (diss) "Clinico-electrocardiographic ^{examination} ~~study~~

^{on} certain diseases of the heart and its arteries." Len, 1958. 20 pp

(1st Len Med Inst im Academician I. P. Pavlov) (KL, 18-58, 101)

-91-

ISAKOV, I.I., doktor med. nauk.

Acute diffuse rheumatic myocarditis (so-called painful myocarditis).
Terap. arkh. 31 no.2:37-43 P '59. (MIRA 12:1)

1. Iz I Leningradskogo meditsinskogo instituta imeni I.P. Pavlova.
(RHEUMATIC HEART DISEASE, case reports,
acute diffuse rheum. carditis (Rus))

ISAKOV, I.I., doktor med.nauk

Study of the problem of coronary insufficiency at the S.P.
Botkin clinic. Klin.med. 37 no.7:142-153 J1 '59.

(MIRA 12:10)

1. Krasnoyarskiy meditsinskiy institut.
(CORONARY DISEASE)

ISAKOV, I.I.; KOKHANOVSKIY, I.Yu.

Treatment of acute barbiturate poisoning with large doses of
strychnine nitrate. Klin.med. 38 no.1:107-111 Ja '60.
(MIRA 13:10)

(BARBITURATES—TOXICOLOGY)

(STRYCHNINE)

ISAKOV, I. I., prof. (Krasnoyarsk)

Monistic view on the pathogenesis of disorders of cardiac rhythm and conductivity. (Analysis of some literature and electrocardiographic data). Klin. med. no.9:106-115. '61. (MIRA 15:6)

1. Iz kliniki gospi'tal'noy terapii (zav. - prof. I. I. Isakov) Krasnoyarskogo meditsinskogo instituta (dir. - dotsent P. G. Podzol'kov)

(ARRHYTHMIA)

ISAKOV, I.I., prof.; GROKHOTOVA, S.G.

Treatment of acute renal insufficiency in intraperitoneal dialysis. Terap. arkh. 35 no.2:105-107'63. (MIRA 16:10)

1. Iz kliniki gospiatal'noy terapii (zav. - prof. I.I.Isakov)
Kranoyarskogo meditsinskogo instituta.
(KIDNEYS—DISEASES) (DIALYSIS)

TL ISAKOV, I. K.

796.5 Iskusstvennyye Sputniki Zemli; 100 Voprosov I
.R8 Otvetov (Artificial Earth Satellite; 100 Questions
17 And Answers, By) Petr Kuz'mich Isakov, (1 Dr.) Moskva, 1959.
 95 P. Illusl, Graphs, Tables.

At head of title: Obshchestvo Po Rasprostraneniyu
Politicheskikh I Nauchnykh Znaniy RSFSR. Sektsiya
Astronavitki DCSAF SSSR.

SERYAKOV, N.I.; SHEYKINA, T.S.; PETROV, V.V.; IDBRIL', Z.Ya.;
SHESTERIKOV, V.G.; PRONIN, V.M.; LYUBSKIY, G.S.;
ISAKOV, I.K.; VOLODARSKAYA, V.Ye., red.

[Automated power supply guarantee systems for telecommunication apparatus] Avtomatizirovannye ustroistva garantirovannogo pitaniia apparatury svyazi; informatsionnyi sbornik. Moskva, Izd-vo "Svyaz'," 1964. 132 p.
(MIRA 17:6)

ISAKOV, I.M.

YEFIMOV, I.A.; ORLOV, Ye.N., redaktor; GEORGIANOV, K.V., redaktor;
IVANOV, V.A., redaktor; ISAKOV, I.M., redaktor; KHRUSLOV, A.V.,
redaktor; LEVINA, M.D., redaktor; USOVA, A.M., tekhnicheskiy
redaktor.

[Manual for a ship's radio mechanic] Posobie dlia sudovogo radio-
montera. Leningrad, Gos.izd-vo sudostroitel'noi lit-ry. Pt. 2.
[Assembling work] Montashnoe delo. Sost. I.A.Yefimov. 1948, 207 p.
(MLRA 8:11)

1. Russia (1923- U.S.S.R.) Ministerstvo sudostroitel'noy promy-
shlennosti.

(Radio--Installation on ships)

ISAKOV, I.M.

Importance of the color sedimentation test of urine in some skin diseases. Nauch. rab. asp. i klin.ord. no:6:279 '60. (MIRA 14:12)

1. Kafedra kozhnykh i venericheskikh bolezhey (zav. prof. A.I. Kartamyshev) Tsentral'nogo instituta usovershenstvovaniya vrachey.
(URINE—ANALYSIS AND PATHOLOGY)
(SKIN—DISEASES)

ACC NR: AP6033411

SOURCE CODE: UR/0057/66/036/010/1775/1778

AUTHOR: Babichev, A.P.; Karchevskiy, A.I.; Muromkin, Yu.A.; Isakov, I.M.

ORG: none

TITLE: Characteristics of a toroidal discharge at low plasma density

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no.10, 1966, 1775-1778

TOPIC TAGS: hydrogen plasma, plasma stability, plasma density, x-ray emission, weak magnetic field

ABSTRACT: The authors have investigated hydrogen plasmas in the aluminum toroidal chamber of the "Beta" installation. The plasmas were excited in hydrogen at from 0.001 to 0.01 mm Hg by discharge through a pulse transformer of a 0.007 F capacitor bank charged to up to 2 kV and were stabilized with a 0.1 to 1.0 kOe longitudinal magnetic field. The plasma density was measured with a double electric probe and a 2 mm wavelength microwave interferometer. When the chamber was well outgassed before the discharge, the plasma density was high (up to $5 \times 10^{13} \text{ cm}^{-3}$) only during the early stage of the discharge and decreased by a factor of from 5 to 20 after 200 or 300 microsec. During the decrease of the plasma density the discharge current decreased in a stepwise manner, and the current breaks were accompanied by simultaneous emission of hard (about 50 keV) x-rays from all parts of the chamber. The electric field in the plasma at this stage was approximately equal to the critical value for

Card 1/2

UDC: 533.9

defined behavior of the plasmas. The authors thank Academician A. V. Ginzburg for his interest in the work, and V.V. Vasil'tsov and Ye.F. Gorbunova for their participation in the work, and V.V. Vasil'tsov and Ye.F. Gorbunova for their participation in the work, and V.V. Vasil'tsov and Ye.F. Gorbunova for their participation in the work.

ISAKOV, IS

188T35

USSR/Geophysics - Nautical Atlas

Jan 51

"First Part of Nautical Atlas," I. S. Isakov

"Iz Ak Nauk SSSR, Ser Geog" No 1, pp 72-74

This universal atlas outlines land, marine and aerial ways. It deviates from previous standards, because it includes the North Arctic Ocean, European continent, seas of the Far East, north part of Pacific and North and South Americas. It shows elevations of lands and depths of seas. The work was directed by A. N. Baranov, Dir Main Adm of Geodesy and Mapping and by V. F. Tributs, Dir Hydrographic Adm.

OK
188T35

ISAKOV, I.S., prof., admiral flota v otstavke, otv.red.; PETROVSKIY, V.A., dotsent, kand.voyenno-morskikh nauk, kontr-admiral, zamestitel' otv.red-ra [deceased]; DEMIN, L.A., dotsent, kand.geograf.nauk, inzh.-kapitan 1 ranga, glavnyy red.; BERG, S.L., inzh.-mayor, red.; PAVLOVA, O.T., red.; PANIN, I.S., red.; KRONIDOVA, V.A., red.; MARAGINA, A. S., red.; SHIROKOVA, V.S., red.; BOGOLYUBOVA, Ye.D., inzh.-kartograf; BRAILOVSKAYA, Ye.D., inzh.-kartograf; ZININA, Ye.M., inzh.-kartograf; ORLOVA, N.S., inzh.-kartograf; SAVINOVA, G.N., inzh.-kartograf; ALEKSEYEVA, A.V., tekhnik-kartograf; BALAKSHINA, M.M., tekhnik-kartograf; GRIGOR'YEV, A.P., tekhnik-kartograf; DUBOVA, T.P., tekhnik-kartograf; MILETINA, M.S., tekhnik-kartograf; SIMAVONOVA, O.B., tekhnik-kartograf; TROPOVA, Z.V., tekhnik-kartograf; SHUMAN, E.E., tekhnik-kartograf; FURAYEVA, Ye.M., tekhn.red.; SVIDERSKAYA, G.V., tekhn.red.; CHERNOGOROVA, L.P., tekhn.red.; SHREYDER, L.Z., tekhn.red.:

[Marine atlas] Morskoi atlas. Otv. red. I.S. Isakov. Glav. red. L.A. Demin. Izd. Morskogo general'nogo shtaba. [---Index of geographical names] ---Ukazatel' geogr'icheskikh nazvaniy. 1952. 543 p. (MIRA 12:1)

1. Russia (1923- U.S.S.R.) Voenno-morskoye ministerstvo.
(Ocean--Maps) (Harbors--Maps)

ISAKOV, I.S., prof., admiral flota v otstavke, otv.red.; SHULEYKIN, V.V., akademik, inzh.-kapitan 1 ranga, zamestitel' otv.red. po II tomu; DEMIN, L.A., dotsent, kand.geograf.nauk, inzh.-kapitan 1 ranga, glavnyy red.; ABAN'KIN, P.S., admiral, red.; VIZE, V.Yu., red.; GERASIMOV, I.P., red.; GLINKOV, Ye.G., inzh.-kontr-admiral, red.; DROZDOV, O.A., prof., doktor geograf.nauk, red.; ZOZULYA, F.V., vitse-admiral, red.; PAVLOVSKIY, Ye.N., akademik, general-leytenant meditsinskoy sluzhby, red.; FOGOSYAN, Kh.P., prof., doktor geograf.nauk, red.; HODOVITS, L.F., doktor geograf.nauk, red.; SKORODUMOV, L.A., kontr-admiral, red.; SHIRSHOV, P.P., akademik, red. [deceased]; BASHILOV, G.Ya., inzh.-kapitan 2 ranga, uchenyy sekretar'; SEREGIN, M.P., kapitan 1 ranga, red.kart; RYABCHIKOV, S.T., podpolkovnik, red.kart; YEGOR'YEVA, A.V., kand.geograf.nauk, red.kart; AVER'YANOVA, P.S., kand.geograf.nauk, red.kart; BUGORKOVA, O.S., red.kart; GAPONOVA, A.A., red.kart; DMITRIYEVA, T.V., red.kart; DOTSENKO, Ye.I., red.kart; KONYUKOVA, L.G., red.kart; KOMOLOVA, Ye.N., red.kart; LUKANOVA, L.S., red.kart; SMIRNOVA, V.G., kand.geograf.nauk, red.kart; CHECHULINA, Ye.P., red.kart; SHKOL'NIKOV, A.M., red.kart; GRIN'KO, A.M., tekhn.red.; IVANOVA, M.A., tekhn.red.; MOROZOVA, A.F., tekhn.red.

[Marine atlas] Morskoi atlas. Otv.red.I.S.Isakov. Glav.red. L.A. Demin. Izd. Morskogo general'nogo shtaba. Vol.2 [Physical geography] Fiziko-geograficheskiy. Zamestitel' otv.red. po II tomu V.V. Shuleikin. 1953. 76 maps. (MIRA 12:1)

1. Russia (1923- U.S.S.R.) Voenno-morskoye ministerstvo. 2. Chlen-korrespondent Akademii nauk SSSR (for Vize, Gerasimov).
(Ocean--Maps) (Harbors--Maps)

ISAKOV, I. S.

BARANOV, A.N., laureat Stalinskoy premii, redaktor; LYSTUK, V.N., redaktor; SHUROV, S.I., redaktor; AVSYUK, G.A., doktor geograficheskikh nauk, redaktor; VITVER, I.A., professor, doktor geograficheskikh nauk, laureat Stalinskoy premii, redaktor; VOLKOV, N.M., professor, doktor geograficheskikh nauk, redaktor; GERASIMOV, I.P., akademik, redaktor; ZARUTSKAYA, I.P., dotsent, laureat Stalinskoy premii, redaktor; ZENKOVICH, V.P., professor, doktor geograficheskikh nauk, laureat Stalinskoy premii, redaktor; ISAKOV, I.S., professor, admiral flota v otstavke, laureat Stalinskoy premii, redaktor; KUIRYAVTSEV, M.K., general-leytenant tekhnicheskikh voisk, redaktor; LARIN, D.A., redaktor; MARUSOV, L.Ya., inzhener-podpolkovnik, redaktor; MURZAYEV, Z.M., doktor geograficheskikh nauk, laureat Stalinskoy premii, redaktor; PAVLOV, V.V., inzhener-polkovnik, laureat Stalinskoy premii; SADCHIKOV, S.F., redaktor; SALISHCHEV, K.A., professor, doktor tekhnicheskikh nauk, redaktor; FILIPPOV, Yu.V., professor, doktor tekhnicheskikh nauk, redaktor; EDEL'SHTEYN, A.V., redaktor; GUNBINA, T.N., redaktor.

[World atlas] Atlas mira. Moskva, 1954. 283 p.

(MLRA 7:9)

1. General'nyy gosudarstvennyy direktor topograficheskoy slushby (for Baranov)
2. Direktor topograficheskoy slushby (for Shurov)
3. Gosudarstvennyy direktor topograficheskoy slushby II ranga (for Lysyuk)
4. Direktor topograficheskoy slushby I ranga (for Gunbina, Larin, Sadchikov)
5. Direktor topograficheskoy slushby (for Edel'shteyn, Filippov)
6. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodesii i kartografii.
(Atlases)

USSR/Geophysics - Book review

FD 389

Card 1/1

Author : Shuleykin, V. V., Academician

Title : Morskoy atlas, tom II - Fizikogeograficheskiy [Marine Atlas, Volume II - Physicogeographic], edited by Prof. Admiral I. S. Isakov and L. A. Demin, Docent, Cand. Geog. Sci., 1953

Periodical : Izv. AN SSSR, Ser. geofiz. 3, 299-301, May/Jun 1954

Abstract : Favorable review. The Atlas contains 4 divisions: A. Most important maritime voyage and expeditions (Russian and Soviet). B. Oceanography. C. Climate. D. Terrestrial magnetism, cartography, astronomy. Contains 75 plates.

Institution :

Submitted :

ISMAOV, I S.

U.S.S.R.

6.4-306

Obzhasheniye vtorogo toma Morskogo Atlasa. [Evaluation of volume two of the Marine Atlas.] *Vostochnoe Geograficheskoe Obozreniye*, Leningrad, 86(2):206-207, March/April 1954. **DLC**—This is an account of a special meeting held by the Geographical Society of the U.S.S.R. to evaluate the second volume (physical geography) of the Marine Atlas edited by L. S. ISMAOV, V. V. SHULEIKIN and L. A. DEJUN. Vol. 2 contains 76 sheets, with 138 principal maps, 122 supplementary maps, 339 graphs and 24 pages of text. Its content by subject includes: The most important marine voyages and expeditions; Oceanography and Climate of the World Ocean. (For review of vol. 1, see 3.9-206, Sept. 1952, *M.A.B.*) *Subject Headings*: 1. Marine Atlases 2. Oceanographic expeditions 3. Oceanography.—I.L.D.

SSI, Slat. 3(26)

ISAKOV, I. [5.]

Technical policy of the Soviet maritime fleet. Mor. flot 15
no. 5:1-4 My '55. (MLA 8:6)

1. ^{dep.} Zamestitel' Ministra morskogo flota.
(Merchant marine)

LEVCHENKO, G.I., admiral, otvetstvennyy red.; DEMIN, L.A., dots., kand. geogr. nauk, inzh.-kontr-admiral, glavnyy red.; FRUMKIN, N.S., polkovnik, zamestitel' otvetstvennogo red.; ABAN'KIN, P.S., admiral, red.; ALAFUZOV, V.A., prof., kand. voenno-morskikh nauk, admiral, red.; ANAN'ICH, V.B., kontr admiral zapasa, red.; AGHEASOV, V.I., kand. istor. nauk, kapitan 1 rango, red.; BARANOV, A.N., red.; BELLI, V.A., prof., kontr-admiral v otstavke, red.; BESKROVNIY, I.G., prof., doktor istor. nauk, polkovnik zapasa, red.; BOLFIN, Ye.A., kand. voen. nauk, general-mayor, red.; VERSHININ, D.A., kapitan 1 rango, red.; VITVER, I.A., prof., doktor geogr. nauk, red.; GIL'FOND, G.M., dots., kand. voenno-morskikh nauk, kapitan 1 rango, red.; GLINKOV, Ye.G., inzh.-kontr-admiral v otstavke, red.; YELISHEV, I.D., vitse-admiral, red.; ZOZULYA, F.V., admiral, red.; ISAKOV, I.G., prof., Admiral Flota Sovetskogo Soyuza, red.; KAVRAYSKIY, V.V. [deceased], prof., doktor fiz.-mat. nauk, inzh.-kontr-admiral v otstavke, red.; KALESHNIK, S.V., red.; KOZLOV, I.A., dots. kand. voenno-morskikh nauk, kapitan 1 rango, red.; KOMAROV, A.V., vitse-admiral, red.; KUDRYAVTSEV, M.K., general leytenant tekhnicheskikh voyak, red.; LYUSHKOVSKIY, M.V., dots., kand. istor. nauk, polkovnik, red.; MAKSIMOV, S.N., dots., kand. voenno-morskikh nauk, kapitan 1 rango, red.; OKUN', S.B., prof., doktor istor. nauk, red.; ORLOV, B.P., prof., doktor geogr. nauk, red.; PAVLOVICH, N.B., prof., kontr-admiral v otstavke, red.; PANTALEYEV, Yu.A., admiral, red.; PITERSKIY, N.A., kand. voenno-morskikh nauk, kontr-admiral, red.; PLATONOV, S.P., general-leytenant, red.; POZNYAK, V.G., dots., general leytenant, red.; SALISHCHEV, K.A., prof., doktor tekhn. nauk, (Continued on next card)

LEVCHENKO, G.I.—(continued) Card 2.

red.; SIDOROV, A.L., prof., doktor istor. nauk., red.; SKORODUMOV, L.A., kontr-admiral, red.; SNEZHINSKIY, V.A., prof., doktor voenno-morskikh nauk, inzh.-kapitan 1 ranga, red.; SOLOV'YEV, I.N., dots., kand. voenno-morskikh nauk, kapitan 1 ranga, red.; STALBO, K.A., kontr-admiral, red.; STEPANOV, G.A. [deceased], dots., vitse-admiral, red.; TOMASHEVICH, A.V., prof., doktor voenno-morskikh nauk, kontr-admiral v otstavke, red.; TRIBITS, V.F., kand. voenno-morskikh nauk, admiral, red.; CHERNYSHOV, F.I., kontr-admiral, red.; SHVIDE, Ye.Ye., prof. doktor voenno-morskikh nauk, kontr-admiral, red.; CHURBAKOV, A.I., tekhn. red.; VASIL'YEV, Z.P., tekhn. red.; VIZIROVA, G.N., tekhn. red.; GOROKHOV, V.I., tekhn. red.; GRIN'KO, A., tekhn. red.; KUBLIKOVA, M.M., tekhn. red.; MALINKO, V.I., tekhn. red.; SVIDERSKAYA, O.V., tekhn. red.; CHERNOGOROVA, L.P., tekhn. red.; GURNEVICH, I.V., tekhn. red.; BUKHANOVA, N.I., tekhn. red.; NIKOLAYEVA, I.N., tekhn. red.; RADOVIL'SKAYA, E.O., tekhn. red.; TIKHOMIROVA, A.S., tekhn. red.; BELOCHKIN, P.D., tekhn. red.; LOYKO, V.I., tekhn. red.; ROMANYUK, I.G., tekhn. red.; YAROSHEVICH, K.Ye., tekhn. red.

[Sea atlas] Morskoi atlas. Otv. red. G.I. Levchenko. Glav. red. L.A. Demin. [Moskva] Izd. Glav. shtaba Voennno-morskogo flota. Vol.3. [Military and historical. Pt.1. Pages 1-45] Voennno-istoricheski. Zamestitel' otv. red. po III tomu N.S. Frumkin. Pt.1. Listy 1-45. 1958. _____ [Military and historical maps, pages 46-52] (Continued on next card)

LEVCHENKO, G.I.---(continued) Card 3.

Voenno-istoricheskie karty, listy 46-52. 1957.

(MIRA 11:10)

1. Russia (1923- U.S.S.R.) Ministerstvo oborony. 2. Nachal'nik
Glavnogo upravleniya geodezii i kartografii Ministerstva vnutrennikh
del SSSR (for Baranov). 3. Chlen-korrespondent Akademii nauk SSSR
(for Kalesnik). 4. Deystvitel'nyy chlen Akademii pedagogicheskikh
nauk RSFSR (for Orlov).

(Ocean--Maps)

BALAYEV, D.N.; BEZUKLADOV, V.F.; DEREVYANKO, Yu.G.; IOFFE, A.F.; ISAKOV, I.S.;
MATTES, H.V.; MOISEYEV, A.A.; NEGANOV, V.I.; NOVOZHILOV, V.V.;
PAVLENKO, G.Ye.; PERSHIN, V.I.; POPOV, V.F.; RETIVOV, V.S.

Seventy-fifth birthday of Academician Iulian Aleksandrovich
Shimanskii. Sudostroenie 24 no.12:66-67 D '58.

(MIRA 12:2)

(Shimanskii, Iulian Aleksandrovich, 1883-)

ISAKOV, Ivan Stepanovich

Transportnaya Deyatel'nost' poivozhnykh lodok (by) I.S. Isakov (1) L.M. Yereneyev.
Moskva, Voenizdat, 1959.

375 p. illus., diagrs., maps, tables.

Bibliography: p. 366-371.

ISAKOV, I. S. Vice Chairman, Oceanography Comm. AS USSR

"Surprise Attack."

paper presented at the Pugwash Conference on Disarmament and World Security,
Moscow, 27 Nov-6 Dec 60.

ISAKOV, I. V.

Hinges

Heading hinge pins by electric heat instead of hand riveting. Sel'khoz mashina No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.
2

ACC NR: AP6019765 (A) SOURCE CODE: UR/0370/66/000/003/0003/0018

AUTHOR: Kravchenko, V. P.; Isakov, I. V.; Khlebnikov, A. Ye.; Dashevskiy, Yu. A. (Moscow);
Lebedev, Ya. I.; Selivanov, N. M. (Moscow)

ORG: none

TITLE: Improving the quality of open hearth steel by treating it with rare earth metal alloys

SOURCE: AN SSSR. Izvestiya. Metally, no. 3, 1966, 3-18

TOPIC TAGS: rare earth metal, metallurgic process, metal physics, metal property, steel property, mechanical property, steel / 40Kh2NMA steel

ABSTRACT: There is very little published information concerning the effect of rare earth metals (REM) on the properties of steel, and on the optimum conditions for the use of such metals. This paper investigates the effects of REM on specific properties of steel, notes procedures for alloying steel, and indicates optimum REM content to achieve desired combinations of mechanical properties. Chemical thermodynamic data and composition of REM alloys are presented in order to provide a better understanding of the principles involved in alloying steel with REM. Experimental melts were produced in a 150 ton induction furnace as well as in 25 and 200 ton basic open hearth furnaces. Mishmetal, a rare earth alloy containing 56.1% Ce and 41.3% La (other REM, iron, and impurities totaled 2.6%), was used as the deoxidizing agent. Studies were made of both cast and wrought metal states and tables of mechanical properties are in-

Card 1/2 UDC: 669.141.243.4

Card 2/2

ISAKOV, I.V.; ZVONKOVA, Z.V.

Crystalline structure of p-aniline thiocyanate. Kristallografiia
10 no.2:194-198 Mr-Apr '65. (MIRA 18:7)

1. Fiziko-khimicheskiy institut imeni L.Ya. Karpova.

S/137/60/000/009/025/029
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No. 9, pp. 261-262;
21636

AUTHORS: Verbol'skaya, Ye.D., Isakov, I.V., Khlebnikov, A.Ye.

TITLE: The Effect of Cerium ¹Admixtures on the Properties of Chrome-Nickel-Molybdenum Steel for Shaped Steel Castings ₁₈

PERIODICAL: V sb.: Redkozemel'n. elementy v stalyakh i splavakh, Moscow, Metallurgizdat, 1959, pp. 118-129

TEXT: A study was made of the effect of Ce introduced in the form of misch metal as a deoxidizer, on the micro- and macrostructure, S distribution, and the mechanical properties of Cr-Ni-Mo steel ₁₈ containing 0.36-0.41% C. Experimental melts were made in 150-kg open and vacuum furnaces with deoxidation by 0.07% Al or 0.2 or 0.3% misch metal. It was established that processing of Cr-Ni-Mo steel with misch metal admixtures (0.2-0.3%) containing 40-60% Ce, increased a_k of the steel by a factor of 2.0 to 2.5. ✓

T.F.

Translator's note: This is the full translation of the original Russian abstract.
Card 1/1

S/133/60/000/011/018/023
A054/A029

AUTHORS: Verbol'skaya, Ye.D., Zasetkiy, G.F., Isakov, I.V., Engineers,
Khlebnikov, A.Ye., Doctor of Technical Sciences

TITLE: Experience in the Treatment of Molten Steel With Rare-Earth
Metals

PERIODICAL: Stal', 1960, No. 11, pp. 1030-1033

TEXT: In order to obtain more information on the possibilities of improving the plastic properties of chrome-nickel-molybdenum alloys by the addition of rare-earth metals, tests were carried out (with the cooperation of Z.B. Vagonov and V.I. Belyayev) by treating these alloys with a mixed metal containing 40-50% cerium, 15-20% lanthanum, 10-20% other rare-earth metals and 5-10% iron. The test steel was melted in an induction vacuum furnace with a magnesite crucible of 150 kg capacity, the charge consisted of armco steel and synthetic iron, the melting temperature was 1,550-1,580°C; the alloying elements were added without affecting the vacuum after a certain interval for the degasification of the metal. Pouring took place in an argon atmosphere at a pressure of 600-700 mm Hg, the test ingots were 140 x 140 mm and weighed about 70 kg. Investigations to determine the influence of the rare-earth metal additives on the sulfur content and on the quantity of non-

Card 1/3

cast and in

S/133/60/000/011/018/023
A054/A029

Experience in the Treatment of Molten Steel With Rare-Earth Metals

rolled condition as well; the steel melted in a conventional furnace has a tenacity 1.5-2.0 times higher than the same type of steel deoxidized by 0.07% Al; when melted in a vacuum furnace, the increase in tenacity is 2-2.5 times greater compared with the Al-treated steels; the steel with a C-content of 0.40% shows the same plastic properties in melted and in rolled condition as the chrome-nickel-molybdenum steels containing 0.30%C and produced in open-hearth furnaces according to the direct reduction process. In the rolled steels containing 0.40% C and alloyed with rare-earth metals no anisotropy in the mechanical properties can be observed at tempering, both as regards the sorbite and the martensite structure. The laboratory tests were confirmed by industrial scale tests in the UZTM. The samples taken from various (upper and lower) parts of the sheets rolled from the test ingots (with a C content of 0.41% containing chrome-nickel-molybdenum deoxidized in the ladle by 350 g/t Al and containing 2 kg/t mixed metal) displayed remarkable chemical homogeneity. Practically no segregation of carbon, sulfur and phosphorus could be observed. From the tests it is assumed that rare-earth metal alloyed chrome-nickel-molybdenum steels can be used in machinery constructions for replacing rolled or hammered machinery parts. There are 2 figures, 6 tables and 3 Soviet references.

Card 3/3

ISAKOV, I. U.

VERBOL'SKAYA, Ye. D.; SASTYKIN, G. F.; TERNOV, I. V.; KULESHOV, A. Ye.

Vliyaniye spetsial'nykh mekhanizmov na svoystva khromo-nikel'-molibdenovoy stali.

report submitted for the 5th Physical Chemical Conference on Steel Production, Moscow, 30 Jan 1959.

15
ISAKOV, I-V

PHASE I BOOK EXPLOITATION

SOV/5411

Konferentsiya po fiziko-khimicheskim osnovam proizvodstva stali. 5th,
Moscow, 1959.

Fiziko-khimicheskiye osnovy proizvodstva stali; trudy konferentsii
(Physicochemical Bases of Steel Making; Transactions of the
Fifth Conference on the Physicochemical Bases of Steelmaking)
Moscow, Metallurgizdat, 1961. 512 p. Errata slip inserted.
3,700 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni
A. A. Baykova.

Responsible Ed.: A. M. Samarin, Corresponding Member, Academy
of Sciences USSR; Ed. of Publishing House: Ya. D. Rozentsveyg.
Tech. Ed.: V. V. Mikhaylova.

Card 1/16

Physicochemical Bases of (Cont.)

115
SOV/5411

PURPOSE: This collection of articles is intended for engineers and technicians of metallurgical and machine-building plants, senior students of schools of higher education, staff members of design bureaus and planning institutes, and scientific research workers.

COVERAGE: The collection contains reports presented at the fifth annual convention devoted to the review of the physicochemical bases of the steelmaking process. These reports deal with problems of the mechanism and kinetics of reactions taking place in the molten metal in steelmaking furnaces. The following are also discussed: problems involved in the production of alloyed steel, the structure of the ingot, the mechanism of solidification, and the converter steelmaking process. The articles contain conclusions drawn from the results of experimental studies, and are accompanied by references of which most are Soviet.

Card 2/18

Physicochemical Bases of (Cont.)

SOV/5411

(Zlatoust Metallurgical Plant) A.K. Petrov, Engineer, O.M. Chekhomov, G.A. Khasin, A.I. Markelov, I.S. Kutuyev, R.I. Kolyasnikova, and Ye.D. Mokhir.)

Paton, B. Ye., B.I. Medovar, Yu. V. Latash, B.I. Maksimovich, and A. F. Tregubenko. Electroslag Remelting of Alloyed Steels and Alloys as an Effective Means for Improving Their Quality

118

Verbol'skaya, Ye. D., G. F. Zasetskiy, I. V. Isakov, and A. Ye. Khlebnikov. Various Methods of Treating Molten Chromium-Nickel-Molybdenum Steel and Their Effect on Its Properties

127

Yedneral, F. P. Application of Complex Deoxidizers for the Purpose of Shortening the Reduction Period of Electromelting of Constructional Steels

137

Yedneral, F. P. The Change in the Bath Composition of an Electric-
Card 7/16

ISAKOV, K.

School stockbreeding farm. Politekh. obuch. no.9:33-35 S '58.
(MIRA 11:10)

1. Is opyta raboty Tishinskoy semiletney shkoly Rnbtsovskogo
rayona Altayskogo kraya.
(Stock and stockbreeding--Study and teaching)

ISAKOV, Koychm: VYKHODTSEV, I.V., prof., doktor biolog.nauk, red.;
BUTENKO, N.P., red.isd-va; ANOKHINA, M.G., tekhn.red.

[Vegetation of the Chongkemin Basin] Rastitel'nost' basseina
reki Chon-Kemin. Frunse, Isd-vo Akad.nauk Kirgiskoi SSR,
1959. 267 p. (MIRA 13:7)
(Chongkemin Valley--Botany)

ISAKOV, K. A.,

" The Cartography of Areal occupied by Birds."

report presented at Conference on Dry Land Zoogeography, L'vov, 1-4 June 1957
(Izv. Ak Nauk Ser. Geog., 1958, No. 2, p 155, Author: VORONOV, A. G.).

ISAKOV, K.F.

Work on a school plot is an important stage in the transition to agricultural work. Biol. v shkole no.1:50-51 Ja-F '62. (MIRA 15:1)

1. Zaveduyushchiy Rubtsovskim rayonom Altayskogo kraya.
(AGRICULTURE STUDY AND TEACHING)

ISAKOV, K.V.

Dynamics of the total protein and protein fractions in the
blood serum in acute leukosis in children. Vop.okh.mat.i det.
(MIRA 15:12)
7 no.9:27-30 S '62.

1. Iz Rostovskogo-na-Donu nauchno-issledovatel'skogo instituta
akusherstva i pediatrii (dir. - kand.med.nauk F.S.Baranovskaya,
nauchnyy rukovoditel' - doktor med.nauk T.V.Loverdo).
(LEUKEMIA) (BLOOD PROTEINS)

ISAKOV, K.V.

Case of bladder calculus complicated by gangrenous cystitis in
a 12-year-old boy. *Pediatrics* 42 no.6:71-72 Jan 63. (MIRA 17:1)

1. Iz Rostovskogo-na-Donu nauchno-issledovatel'skogo instituta
akusherstva i pediatrii (dir. - kand. med. nauk F.S.Baranovskaya,
nauchnyy rukovoditel' - doktor med. nauk T.V.Loverdo).

AUTHOR: Isakov, L. SOV-25-58-8-36/61

TITLE: When There is no Visibility (Pri otsutstvii vidimosti)

PERIODICAL: Nauka i zhizn', 1958, Nr 8, pp 67-68 (USSR)

ABSTRACT: To ensure safe navigation near shores when visibility is obscured and to enable the establishment of a ship's position with respect to the shore and other obstacles, Soviet commercial ships have been equipped with radar equipment "Don" and the device "Pal'ma". With the apparatus "Don", a ship of 3,000 tons displacement can be traced at a distance of 14 miles and a buoy at 3.5 miles. In conjunction with the device "Pal'ma", a radio-locational picture of the ship's surroundings can be obtained. The new radio-locational device can be operated by one man.

1. Ships--Electronic systems 2. Radio navigation systems--Applications

Card 1/1

Isakov, L.

25-8-30/42

AUTHOR: Isakov, L.
 TITLE: Bee Poison Applied in Clinical Practice (Pchelinyy yad v klinicheskoy praktike)
 PERIODICAL: Nauka i Zhizn', 1957, # 8, p 51 (USSR)

ABSTRACT:

In the second half of May 1957, a special scientific conference on the application of bee products in medicine took place in Leningrad. More than 400 doctors, pharmacologists, physiologists and other scientists took part in this meeting. Among other topics, the favorable effect of bee poison was discussed with regard to illnesses of the nervous and vascular system, and to certain internal and skin diseases. Two methods can be applied; one of them is that of the direct sting of the bee, used by Professor G.P. Zaytsev of the Moskva State Medical Institute (Moskovskiy gosudarstvennyy meditsinskiy institut), the other one consists of injections. Recently, several new medicines have been developed containing bee poison. Especially effective, has been melissic alcohol, suggested by I.F. Kononenko, Dotsent of the Kharkov Medical Institute (Kharkovskiy meditsinskiy institut), when applied during medical treatment of the peripheral nervous system, and in obstetrics during painless child birth. Professor

Card 1/2

ISAKOV, I.

New milling machines. Nauka i zhizn' 23 no.5:47 '56. (MLBA 9:8)
(Milling machines)

ISAKOV, L.

Repairing by rapid methods. Zhil.-kom.khoz. 12 no.6:21-22 Je
'62. (MIRA 15:12)

1. Starshiy inzh. normativno-issledovatel'skoy stantsii
Upravleniya kapital'nogo remonta, Leningrad.
(Apartment houses--Maintenance and repair)

AUTHOR: Isakov, L. SOV/25-58-12-25/40

TITLE: A Biological Current Manipulator (Biotochnyy manipulyator)

PERIODICAL: Nauka i zhizn', 1958, Nr 12, p 66 (USSR)

ABSTRACT: A team of Soviet scientists (Doctor of Technical Sciences A.Ye. Kobrinskiy, Engineer M.G. Breydo and others), designed a biological current manipulator, which is put into operation by thought. The manipulator has the shape of a hand. It is being manufactured in the laboratories of Institut mashinovedeniya i Tsentral'nogo nauchno-issledovatel'skogo instituta protezirovaniya i protezostroyeniya (the Institute of Machine Operation and the Central Scientific-Research Institute for the Application and Manufacture of Prosthesis). The manipulator consists of 3 inter-connected units, which perform different functions. One of these units is a bracelet, which is put on a human

Card 1/2

A Biological Current Manipulator

SOV/25-58-12-25/40

hand and equipped with a special current receptor. The second unit amplifies the biological current and processes it for mechanical operation of the third unit, which carries out the commands of the operator. There are 2 photos.

Card 2/2

SOV/25-59-9-15/49

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AUTHOR: Isakov, L.

TITLE: A Loading Machine

PERIODICAL: Nauka i zhizn', 1959, ¹⁶Nr 9, p 39 (USSR)

ABSTRACT: The pavilion "Transport of the USSR" at the Exhibition of the Achievements of the National Economy of the Soviet Union shows an improved self-propelled trans-loading machine type "ShTP-1", intended for work in the holds of ships. This machine was designed at the Eksperimental'nyye masterskiye Leningradskogo Porta (Experimental Shops of the Leningrad Port) with the assistance of designer K.P. Terent'yev. It performs the work of eight loading machines and is controlled by one person. The operating range, the boom of the crane and lifting height are 4.5 m each. Its loading capacity is 300 kg. It lifts 2 bags within 20 seconds. There are 2 photographs and 1 diagram.

Card 1/1

ISAKOV, L.G.

GRABINSKIY, Ye.K., inzhener; ISAKOV, L.G., inzhener

"Cold weather" concrete. Sbor.mat.o nov.tekh.v stroi.17 no.8:24-
27 '55. (MLBA 8:11)

(Concrete construction--Cold weather conditions)

ISAKOV, L.G., inzhener.

Self-stressing reinforced concrete elements and expanding
cements. Nov.tekh.i pered. op. v stroi. 18 no.2:25-29 F
'56. (France--Concrete) (MLRA 9:6)